

**IN THE CLAIMS:**

Please amend the claims as follows:

1. (currently amended) A printer controller comprising:

a network controller for receiving data from an outside device;

a digital signal processor having a VLIW structure capable of parallel processing; and

a fixed logic LSI for receiving[/] and transmitting data from [/] and to a printer engine, wherein:

respective cyan, magenta, yellow and black as four primary colors are allocated to respective clusters in said VLIW structure and are processed in parallel ; and

processed results are transmitted to the printer engine via said fixed logic LSI.

2. (currently amended) The printer controller according to claim 1, wherein:

said printer controller further comprises:

an outputting means for continuously outputting a ~~huge~~ volume of data to the printer engine under an instruction from said digital signal processor.

3. (currently amended) A printer controller for processing image data by software comprising:

a network controller for receiving data from an outside device;

a digital signal processor;

a fixed logic LSI for receiving and [/] transmitting data from and [/] to a printer engine; and ~~further~~ a means for receiving drum temperature data and a history of a printer via the printer engine and for transforming received data into numeric data wherein:

said numeric data is transmitted to the printer engine so that a color table

of the printer is adjusted ~~from time to time~~ for a proper printing color tone.

4. (original) The printer controller according to claim 3, wherein:

received image data having peculiar object information in every area via said network controller is processed so as to optimize said image data for proper printing and to output said optimized image data to the printer engine.

5. (new) A printer controller comprising:

a network controller for receiving data from an outside device;

a digital signal processor having a VLIW structure capable of parallel processing;

a fixed logic LSI for receiving and transmitting data from and to a printer engine, wherein:

respective cyan, magenta, yellow and black as four primary colors are allocated to respective clusters in said VLIW structure and are processed in parallel; and

processed results are transmitted to the printer engine via said fixed logic LSI; and

an outputting means for continuously outputting a volume of data to the printer engine under an instruction from said digital signal processor.

6. (new) A printer controller system for processing image data by software comprising:

a network controller for receiving data from an outside device;

a digital signal processor;

a fixed logic LSI for receiving and transmitting data relative to a printer engine;

means for receiving drum temperature data and a history of a printer via the printer engine and for transforming received data into numeric data wherein:

said numeric data is transmitted to the printer engine;

means for receiving said numeric data transmitted to said printer engine, for directing said numeric data to a color table of said printer, and for adjusting said printer

color tone in response thereto; and

wherein said received image data having peculiar object information in every area via said network controller is processed so as to optimize said image data for proper printing and to output said optimized image data to the printer engine.